

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1-3. (Canceled)

4. (Previously Presented) The method of claim 6 wherein the extracting further comprises decomposing the affine transform into a translation and a linear transform matrix.

5. (Canceled)

6. (Previously Presented) A method comprising:

in response to user action on a canvas, selecting at least one area of a first image which relates to an area on a distortion grid;

using a plurality of points local to the at least one area to calculate a distortion;

extracting a rotation component of the distortion, wherein the extracting comprises calculating an affine transform from the plurality of points, the extraction of rotation comprising calculating an angle from the elements of a linear transform matrix; and

applying the rotation component to a second area of the first image.

7. (Previously Presented) A method comprising:

in response to user action on a canvas, selecting at least one area of a first image which relates to an area on a distortion grid;

using a plurality of points local to the at least one area to calculate a distortion;

extracting a scaling component of the distortion, wherein the extracting comprises calculating an affine transform from the plurality of points, the extraction of scaling comprising calculating a pair of eigenvalues of a linear transform matrix, wherein each eigenvalue represents the amount of scaling in a direction represented by a corresponding projection matrix; and

applying the scaling component to a second area of the first image.

8. (Previously Presented) The method of claim 7 wherein a rotation is removed from the linear transform matrix prior to calculating the pair of eigenvalues.

9. (Previously Presented) The method of claim 7 wherein a skew is removed from the linear transform matrix prior to calculating the pair of eigenvalues.

10. (Previously Presented) The method of claim 6 wherein a user selects the rotation component.

11. (Previously Presented) The method of claim 10 wherein the user selects the rotation component from a menu displayed on a user interface.

12. (Previously Presented) The method of claim 6 wherein a user selects the area for the applying by the location of a virtual brush.

13. (Previously Presented) The method of claim 6 wherein the applying is to an entire image.

14. (Currently amended) A method comprising:

in response to user action on a canvas, selecting at least one area of a first image which relates to an area on a distortion grid, the selected area of the first image including a distortion; using a plurality of points local to the at least one area to calculate [[a]] the distortion; extracting at least one component of the distortion; applying the at least one component to a second area of the first image; and applying the at least one component to a second image.

15. (Previously Presented) The method of claim 14 wherein the second image is different from the first image.

16-20. (Canceled)

21. (Previously Presented) A computer program product, disposed in a computer readable medium, having instructions to cause a computer to:

using a plurality of points surrounding a first area of an image related to an area in a distortion grid, calculate an angular rotation amount of a distortion at the first area;

calculate an affine transform from the plurality of points;

decompose the affine transform into a translation and a linear transform matrix and calculate an angle from the elements of the linear transform matrix; and

apply the angular rotation amount of the distortion to a second area of the image.

22. (Previously Presented) A computer program product, disposed in a computer readable medium, having instructions to cause a computer to:

using a plurality of points surrounding a first area of an image related to an area in a distortion grid, calculate a scaling amount of a distortion at the first area;

calculate an affine transform from the plurality of points,

decompose the affine transform into a translation and a linear transform matrix and calculate a pair of eigenvalues of the linear transform matrix, and wherein each eigenvalue represents the amount of scaling in a direction represented by a corresponding projection matrix; and

apply the scaling amount of the distortion to a second area of the image.

23. (Previously Presented) The computer program product of claim 22 wherein rotation is removed from the linear transform matrix prior to calculating the pair of eigenvalues.

24. (Previously Presented) The computer program product of claim 22 wherein skew is removed from the linear transform matrix prior to calculating the pair of eigenvalues.

25. (Previously Presented) The computer program product of claim 21 wherein a user selects the angular rotation amount.

26. (Previously Presented) The computer program product of claim 25 wherein the user selects the angular rotation amount from a menu displayed on a user interface.

27. (Previously Presented) The computer program product of claim 21 wherein the area for the applying is selected by a user, responsive to the movement of a virtual brush.

28. (Previously Presented) The computer program product of claim 21 wherein the angular rotation amount is applied to an entire image.

29. (Currently amended) A computer program product, disposed in a computer readable medium, having instructions to cause a computer to:

~~use~~using a plurality of points surrounding a first area of an image related to an area in a distortion grid, the first area of the image including a distortion, the plurality of points being used to calculate at least one component of ~~[[a]]~~ the distortion ~~[[at]]~~ in the first area; and
apply the at least one component of the distortion to a second area of the image; and
apply the at least one component of the distortion to a second image.

30. (Previously Presented) The computer program product of claim 29 wherein the second image is different from the first image.

31-37. (Canceled)

38. (Currently amended) A computer program product having instructions stored in a computer readable medium, containing instructions to cause a computer to:

display a first image on a canvas, the first image being related to an area on a distortion grid;

responsive to an input device controlled by a user, select an area of the first image, the selected area of the first image including a distortion;

responsive to a selection by the user from a menu, extract at least one component of ~~[[a]]~~ the distortion from the area;

responsive to movement and location of a cursor controlled by the user, apply the at least one component to a second area of the first image; and

responsive to movement and location of a cursor controlled by the user, apply the at least one component to a second image.

39. (Previously Presented) The computer program product of claim 38 wherein the second image is different from the first image.
40. (Previously Presented) The method of claim 7 wherein the extracting further comprises decomposing the affine transform into a translation and a linear transform matrix.
41. (Previously Presented) The method of claim 7 wherein a user selects the scaling component.
42. (Previously Presented) The method of claim 7 wherein a user selects the area for the applying by the location of a virtual brush.
43. (Previously Presented) The method of claim 7 wherein the applying is to an entire image.
44. (Previously Presented) The computer program product of claim 22 wherein a user selects the scaling amount.
45. (Previously Presented) The computer program product of claim 22 wherein the area for the applying is selected by a user, responsive to the movement of a virtual brush.
46. (Previously Presented) The computer program product of claim 22 wherein the scaling amount is applied to an entire image.